



UNITED STATES MARINE CORPS
I MARINE EXPEDITIONARY FORCE HEADQUARTERS GROUP
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IN REPLY REFER TO:
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G-3/FECC
OCT 6 2016

LETTER OF INSTRUCTION 19-16

From: Commanding General, I Marine Expeditionary Force
To: Distribution List

Subj: LETTER OF INSTRUCTION FOR THE MARINE AIR-GROUND TASK FORCE FIRE
SUPPORT COMMAND AND CONTROL SYSTEMS TRAINING

Encl: (1) I MEF Digital Fire Support C2 Systems Training-Proposed
Schedule

1. Situation. A Marine Air-Ground Task Force (MAGTF) is required to operate and maintain proficiency in multiple Fire Support Command and Control (C2) systems. Marine Expeditionary Force Exercise (MEFEX) 16 lessons learned highlighted necessary improvements in the employment of these systems and the digital fires / air architecture. Each of the C2 systems has been employed successfully in isolation, with Transverse Chat being utilized in order to cross-deck information between systems. However, a shortfall in knowledge, experience and understanding of system capabilities and interoperability was identified. I Marine Expeditionary Force (MEF) is establishing quarterly digital fire support C2 systems training in order to rectify these shortfalls and to further capture the best practices for the MEF Tactical Standard Operating Procedure (TACSOP).

2. Mission. Conduct quarterly Fire Support C2 systems training in order to increase knowledge and proficiency on fire support systems across the MEF.

3. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. Omitted.

(2) Concept of Operations. In order to seize upon the initiative gained during MEFEX-16 the first of a series of quarterly Fire Support C2 systems training is to be conducted November 1-9, 2016. In addition to the Advanced Field Artillery Tactical Data System (AFATDS) network both the Joint Automated Deep Operations Coordination System (JADOCS) and the Theater Battle Management Core Systems (TBMCS) will be added to the training evolution.

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OCT 6 2016

LETTER OF INSTRUCTION 19-16b. Subordinate Element Missions(1) I MEF Fire and Effects Coordination Center (FECC)

- (a) Plan and execute I MEF Fire Support C2 Systems training.
- (b) Publish and release documentation in support of the training, including Letter of Instruction (LOI), Feasability of Support (FOS), and supporting Automated Message Handling System message.
- (c) Provide a I MEF Current Fires Section for the duration of the training.
- (d) Provide hardware and server support in order to establish a JADOCs and AFATDS network for the duration of the exercise. This is to be established no later than (NLT) November 2, 2016. Be prepared to establish digital connectivity to TBMCS where applicable.
- (e) Liaise with I MEF G-6 in order to ensure adequate contractor support for the duration of training.
- (f) Develop maneuver and Fire Support Control Measures (FSCMs) to be uploaded onto the C2 systems.
- (g) Facilitate Initial Planning Conference (IPC) and Final Planning Conference (FPC) prior to execution.
- (h) Capture and disseminate lessons learned during planning and execution.

(2) Commanding General (CG), 3rd Marine Aircraft Wing

- (a) Provide Tactical Air Command/Control Center/Tactical Air Operations Center and Direct Air Support Command elements for the duration of the training in order to coordinate air and ground fires.
- (b) Provide hardware and server support in order to establish a TBMCS network for the duration of the exercise. This is to be established NLT November 2, 2016. In addition, be prepared to establish digital connectivity from the systems named above to AFATDS and JADOCs where applicable.
- (c) Establish the Airspace Control Plan (ACP) for I MEF battlespace. Control measures associated to this are to be distributed NLT November 2, 2016 during the systems setup period.

3120
OCT 6 2016

LETTER OF INSTRUCTION 19-16

(d) Be prepared to provide consolidated After Action Review (AAR) points for a post training de-brief and capture best practice Tactics Techniques and Procedures (TTPs) for the MEF TACSOP.

(3) CG, 1st Marine Division (MarDiv)

(a) Provide elements from the Fire Support Coordination Center, Topographic Production Capability Programs and Artillery Battalions that a comprehensive fires network, including quick-fire net, can be established.

(b) Establish a 1st MarDiv battlespace and associated FSCMs. These are to be distributed NLT November 2, 2016 during the systems setup period.

(c) Provide hardware and support in order to establish on the AFATDS network for the duration of the exercise. This is to be established NLT November 2, 2016. In addition be prepared to establish digital connectivity from the systems named above to TBMCS where applicable.

(d) Be prepared to provide consolidated AAR points for a post training de-brief and capture best practice TTPs for the MEF TACSOP.

(4) I MEF Headquarters Group

(a) Provide 1x Fire Control Team (3x Personnel) November 1-9, 2016 in order to simulate a foreign artillery unit in support of I MEF operations.

(b) Provide hardware and support in order to establish on the AFATDS network for the duration of the exercise. This is to be established NLT November 2, 2016.

(c) Be prepared to provide consolidated AAR points for a post training de-brief and capture best practice TTPs for the MEF TACSOP.

c. Coordinating Instructions

(1) Macro schedule with event lead:

OCT 6 2016

LETTER OF INSTRUCTION 19-16

Date	Time	Event	Lead	Location	Remarks
14 Sep 16	0900	Family Of Systems (FOS) message released	I MEF Fires	N/A	Deadline 26 Sep 16
26 Sep 16	0900	Formal tasking via AMHS / TELCON IPC	I MEF Fires	N/A	LOI already pre-released
06 Oct 16	0900-1500	Mid-Planning Conference (MPC)	Maj Billups	I MEF, FECC	Invites/Agenda NLT 26 Sep 16
25 Oct 16	0900-1500	Final Planning Conference (FPC)	Maj Billups	I MEF, FECC	Invites/Agenda NLT 10 Oct 16
28 Oct 16	TBD	Confirmation Brief	Maj Billups	To Be Determined	To: Col Garcia
1-2 Nov 16	0900-1500	Systems set-up	Lt Tawoda	I MEF, Mini MEF Operations Center (MOC)	
3-9 Nov 16	0800-1630	Execution	Maj Billups	I MEF, Mini MOC	Exclusive of 5-6 Nov 16
16 Nov 16	NLT 1600	Post Execution Lessons Identified released	Lt Tawoda	I MEF	
18 Jan 17	0900	IPC for 17-1 Trg	Maj Billups	I MEF, FECC	

(2) The identified training audience's place of duty for the Staff Training is at the Mini-MOC training classroom.

4. Administration and Logistics

a. Manning. Major Subordinate Commands should strive to assign personnel that will be able to participate through the duration of the exercise and continue to serve in the billet. Following the MPC, a detailed manning document will be released in support of training.

OCT 6 2016

LETTER OF INSTRUCTION 19-165. Command and Signal

a. Command. Additional calling notices and detailed agendas will be released for the MPC and FPC. Following the MPC, proposed digital systems architecture and build timeline will be released. Point of contacts for the fire support training:

POC	Billet	Email	Phone
Maj Chris Billups	FECC	christopher.billups@usmc.mil	(760) 763-6587
Lt Kayla Tawoda	FECC	Kayla.tawoda@usmc.mil	(760) 763-6592
Lt Shawn Johnson	FECC	shawn.c.johnson@usmc.mil	(760) 763-6592

b. Signal. This LOI is effective the date signed.


J. J. RUSSELL
Chief of Staff

Distribution: I/II

Copy to: I MEF G3
1st MARDIV FSCC
3rd MAW G3
I MHG S3

OCT 6 2016

LETTER OF INSTRUCTION 19-16

I MEF Digital Fire Support C2 systems training - Proposed schedule

Time	Event	Lead(s)	Location	Remarks
01-Nov-16 (SYSTEMS BUILD - NOT FULL TRAINING AUDIENCE)				
0900-1000	System server set up	LT Tawoda / MGySgt Munoz / SSgt Meza / Mr Parish	Camp Pendleton I MEF Mini-MOC	I MEF, 3rd MAW, 1st MARDIV, I MHG Servers required: AFATDS, TBMCS, JADOCs
1000-1100				
1100-1200				
1200-1300				
1300-1400				
1400-1500				
1500-1600				
1600-1700				
02-Nov-16 (SYSTEMS BUILD - NOT FULL TRAINING AUDIENCE)				
0800-0900				I MEF, 3rd MAW, 1st MARDIV, I MHG Servers required: AFATDS, TBMCS, JADOCs
0900-1000	System testing and geometries upload.	LT Tawoda, MGySgt Munoz, SSgt Meza, Mr Parish	Camp Pendleton I MEF Mini-MOC	
1000-1100				
1100-1200				
1200-1300				
1300-1400				
1400-1500				
1500-1600				
1600-1700				
03-Nov-16				
0800-0900	In-brief and trg overview.	Maj Billups	Camp Pendleton I MEF Mini-MOC	TO's, MEFEX issues, schedule confirmed.
0900-1000	Section Briefs.	Sect OICs		Each section to deliver brief (30mins): Role in clearance of I MEF Fires/Effects. Systems used. Past issues encountered. What they want to get out of the training.
1000-1100				
1100-1200				
1200-1300				
1300-1400				
1400-1500	Initial system interoperability. Tech SME problem solving and server start-up. Basic systems training.	Section Tech reps		
1500-1600				
1600-1700				
04-Nov-16				
0800-0900	System interoperability test conducted. FSCM Geometries and ACP confirmed and updated (where necessary).	Mr Parish, SSgt Meza, MGySgt Munoz, 3rd MAW Tech, 1st ANGLICO	Camp Pendleton I MEF Mini-MOC	Mission packages generated and sent in order to test the system. Agreed approvals and mission routing to be captured for inclusion into TACSOP
0900-1000				
1000-1100				
1100-1200				
1200-1300				
1300-1400	Basic message traffic sent. Basic mission flow test. Approvals process validated.			
1400-1500				
1500-1600				

Enclosure (1)

OCT 31 2016

LETTER OF INSTRUCTION 19-16

1600-1700				
07-Nov-16				
0800-0900	AFATDS: Mission processing: Cannon, Rocket and Air deliberate targets. TPC initiated counter-fire TBMCS: (I)-JTARS, ASRs and ESTAT JADOCS: Target Manager usage, TST Manager, Quick Fire procedures and target approvals (surface and air).	LT Tawoda	Camp Pendleton I MEF Mini-MOC	Each principal system owner: AFATDS - 1st AMRDIV, JADOCS - I MEF, TBMCS - 3rd MAW to propose areas to test.
0900-1000				
1000-1100				
1100-1200				
1200-1300				
1300-1400				
1400-1500				
1500-1600				
1600-1700				
08-Nov-16				
0800-0900	Complex mission scenarios: Multiple missions (combined surface/air), Cross-Bdy fires. Dynamic re-tasking (I-JTAR).	LT Tawoda	Camp Pendleton I MEF Mini-MOC	AAR points from MEFEX-16 to be utilized in order to generate mission injects.
0900-1000				
1000-1100				
1100-1200				
1200-1300				
1300-1400				
1400-1500				
1500-1600				
1600-1700				
09-Nov-16				
0800-0900	Issue resolution training time. Sect led.	Maj Billups	Camp Pendleton I MEF Mini-MOC	Each section to generate serial to address issues they may have.
0900-1000				
1000-1100	Initial de-brief. AAR date/ attendees confirmed.	Maj Billups		Hot de-brief (30-45Mins)
1100-1200				
1200-1300	Systems shut-down. ENDEX	Mr Parish, Sect Tech leads		
1300-1400				